

June 29, 2016

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-25) RIBAXAMASE

PRONUNCIATION rye bax' a mase

THERAPEUTIC CLAIM Preventing undesirable antibiotic-associated disruption of the intestinal microbiome

CHEMICAL NAMES

1. β -Lactamase (synthetic *Bacillus licheniformis* isoenzyme SYN-004)
2. [262-asparagine(D>N)]beta-lactamase from *Bacillus licheniformis* (penicillinase, EC=3.5.2.6)-(18-281)-peptide (des-1-lysine-small exopenicillinase) produced in a recombinant *Escherichia coli* expression system

STRUCTURAL FORMULA

Amino acid sequence

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          TEM KDDFAKLEEQ FDAKLGIFAL DTGTRTVAY 50
RPDERFAFAS TIKALTVGVV LQQKSIEDLN QRITYTRDDL VNYNPITEKH 100
VDTGMTLKEK ADASLRYSDN AAQNLIKQI GGPESLKKEK RKIGDEVVNP 150
ERFEPPELNEV NPGETQDTST ARALVTSRRA FALEDKLPSE KRELLIDWMK 200
RNTTGDALIR AGVPDGEVA DKTGAASYGT RNDIAIIWPP KGDPVVLAVL 250
SSRDKKDAKY DNKLIAEATK VVMKALNMNG K 281

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MOLECULAR FORMULA $C_{1293}H_{2092}N_{358}O_{410}S_5$

MOLECULAR WEIGHT 29.4 kDa (theoretical)

TRADEMARK None as yet

SPONSOR Synthetic Biologics, Inc.

CODE DESIGNATIONS SYN-004, P3A

CAS REGISTRY NUMBER 1792207-66-9

UNII 6A002O1K0R

WHO NUMBER 10447

gbk